Laboratory Accreditation Programmes

Schedule to

CERTIFICATE OF ACCREDITATION



Central Environmental Laboratories

Client Number 28

PO Box 6054, Awapuni, Palmerston North, 4412 Module 2, Batchelar Agricultural Centre, Batchelar Road, Palmerston North, 4474

Telephone 06 351-4475 www.cenlab.co.nz

Authorised Representative

Mr Johan Bosch Principal Analyst

Programme

Drinking Water Testing Laboratory

Accreditation Number 816 Init

Initial Accreditation Date 6 March 2002

Conformance Standard

ISO/IEC 17025:2017

General requirements for the competence of testing and calibration laboratories Water Services (Drinking Water Standards for New Zealand) Regulations 2022

Laboratory Services Summary

Analysis

1.12 Waters (Microbiology)2.41 Waters (Chemistry)

Sampling

1.12 Waters (Microbiology)2.41 Waters (Chemistry)

Operations Manager Authorisation:

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Central Environmental Laboratories **Drinking Water Testing Laboratory SCOPE OF ACCREDITATION**

Accreditation Number 816

Analysis

The following scope of accreditation provides for the testing of potable waters for the purposes of assessing compliance with the Water Services (Drinking Water Standards for New Zealand) Regulations 2022, the Aesthetics Values for Drinking Water Notice 2022 in accordance with the Taumata Arowai publications Requirements Relating to Laboratories 2021 and the Drinking Water Quality Assurance Rules 2022.

1.12 Waters (Microbiology)

(a) Potable waters

In accordance with APHA "Standard Methods for the Examination of Water and Wastewater" (24th Edition) except where otherwise indicated

Determinand	Method Reference
E. coli - Colilert Quantitray (97 well)	9223 B
E. coli - MF	9222 I
Faecal coliforms - MF	9222 D
Total coliforms - Colilert Quantitray (97 well)	9223 B
Total coliforms - MF	9222 B

2.41 Waters (Chemistry)

(a) Potable waters

INORGANIC DETERMINANDS

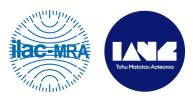
In accordance with APHA "Standard Methods for the Examination of Water and Wastewater" (24th Edition) except where otherwise indicated

Determinand	Method Reference
Antimony	3125 B
Arsenic	3125 B
Barium	3125 B
Boron	3125 B
Cadmium	3125 B
Chlorine	4500-CI F
Chlorine (Free available chlorine)	4500-CI F
Chromium	3111 B

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Central Environmental Laboratories Drinking Water Testing Laboratory SCOPE OF ACCREDITATION	Accreditation Number 816
Chromium	3125 B
Copper	3125 B
Copper	3111 B
Fluoride	4110 B
Lead	3125 B
Manganese	3111 B
Manganese	3125 B
Nickel	3111 B
Nickel	3125 B
Nitrate	4110 B
Nitrite	4500-NO ₂ B
Nitrite	4110 B
Selenium	3125 B
Uranium	3125 B

AESTHETIC DETERMINANDS

In accordance with APHA Standard Methods for the Examination of Water and Wastewater (24th Edition) except where otherwise indicated.

Determinand	Method Reference
	0.40 . D
Aluminium	3125 B
Calcium	3125 B
Iron	3125 B
Magnesium	3125 B
pH	4500-H+ B
Sodium	3125 B
Temperature	2550 B
Turbidity	USEPA 180.1
Zinc	3125 B

Sampling

- 1.12 Waters (Microbiology)
- 2.41 Waters (Chemistry)
- (a) Potable waters

Sampling of potable water by In-house method based on AS/NZS 5667.1-12:1998

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